BOUND I-E-5

G&E ENGINEERING
ENVIRONMENTAL CONSULTANTS

4915 S. SHERWOOD FOREST BLVD. • P.O. BOX 77510 (70879-7510) • BATON ROUGE, LA 70816 • (504) 292-9007 • FAX (504) 292-3814

November 14, 1997

Mr. James H. Brent, Ph.D.
Administrator
LDEQ/HWD - Permit Section
P. O. Box 82178
Baton Rouge, LA 70884-2178

LOG # 11-14-97-123

RE: Hazardous Waste Permit Renewal Application
LAD 981055[redacted]79/
G&E File: 24216-00

Dear Dr. Brent:

G&E Engineering (G&E) hereby submits Laidlaw Environmental Services (Thermal Treatment), Inc.'s hazardous waste permit renewal application on behalf of Laidlaw. Both Part I/A and Part II/B are submitted. In accordance with your letter of October 31, 1996, to Laidlaw, five copies of the Part II/B are submitted in three-ring binders. Also, in accordance with that October 31, 1996, letter, 15 copies of the Part I/A are submitted. Five copies of the Part I/A are bound in the binders and ten are bound separately.

In addition, G&E is submitting one bound copy of a document containing the existing permit language, suggested language for the permit when renewed, and the rationale for the suggested change in permit language. We hope this document will be useful in preparing the renewed permit.

Should you have any questions, please call either of the undersigned.

Sincerely,
G&E ENGINEERING

P. Timothy Tate

P. Timothy Tate, PE
Project Engineer

Peter A. Romanowsky, CHMM
Project Coordinator

PTT:pla

Enclosures: Part I/A and Part II/B Permit Application
Suggested Permit Language

cc Mr. Jim Gallion, Laidlaw, Colfax

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PART A

PERMIT APPLICATION

PREPARED FOR

LAIDLAW ENVIRONMENTAL SERVICES (THERMAL TREATMENT), INC.

COLFAX, LOUISIANA

LAD 981055791

NOVEMBER 1997

A Division of TreaTek- CRA™ Company
AMERICAN CONSULTING ENGINEERS COUNCIL

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0034 Expires 9-30-96
GSA No. 0248-EPA-OT

For EPA Regional Use Only

Date Received
Month Day Year

EPA
United States Environmental Protection Agency
Washington, DC 20460

Hazardous Waste Permit Application
Part A
(Read the instructions before starting)

I. Installation's EPA ID Number *(Mark 'X' in the appropriate box)*

[ ] A. First Part A Submission

[X] B. Part A Amendment - For Permit Renewal

C. Installation's EPA ID Number	D. Secondary ID Number *(If applicable)*
LAD981055791	

II. Name of Facility

LAIDLAW ENV SERV (THERM TREAT)

III. Facility Location *(Physical address not P.O. Box or Route Number)*

A. Street

3763 Highway 471

Street *(Continued)*

City or Town	State	Zip Code
Colfax	LA	71417-5614

County Code *(If known)*	County Name
	Grant

B. Land Type (Enter code)	C. Geographic Location: LATITUDE (Degrees, Minutes, & Seconds)	LONGITUDE (Degrees, Minutes & Seconds)	D. Facility Existence Date: Month Day Year
P	31 34 05 N	092 43 21 W	06 20 1985

IV. Facility Mailing Address

Street or P.O. Box

3763 Highway 471

City or Town	State	Zip Code
Colfax	LA	71417-5614

V. Facility Contact *(Person to be contacted regarding waste activities at facility)*

Name *(Last)*	*(First)*
Gallion	James E Sr

Job Title	Phone Number *(Area Code and Number)*
Vice President	318-627-3443

VI. Facility Contact Address *(See instructions)*

A. Contact Address Location	Mailing	Other	B. Street or P.O. Box
	X		

City or Town	State	Zip Code
		-

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EPA I.D. Number (Enter from page 1)	Secondary ID Number (Enter from page 1)
LAD981055791	

VII. Operator Information (See Instructions)

Name of Operator	
LAIDLAW ENVR SER (THERM TREAT)	

Street or P.O. Box			
3763 Hwy 471			
City or Town	State	ZIP Code	
Colfax	LA	71417-5614	

Phone Number (Area Code and Number)	B. Operator Type	C. Change of Operator Indicator	Date Changed Month Day Year
318-627-3443	P	Yes: No: X	

VIII. Facility Owner (See Instructions)

A. Name of Facility's Legal Owner	
LAIDLAW ENVR SER (THERM TREAT)	

Street or P.O. Box			
3763 Hwy 471			
City or Town	State	ZIP Code	
Colfax	LA	71417-5614	

Phone Number (Area Code and Number)	B. Owner Type	C. Change of Owner Indicator	Date Changed Month Day Year
318-627-3443	P	Yes: No: X	

IX. SIC Codes (4-digit, in order of significance)

Primary		Secondary	
4953	(Description) Refuse Systems		(Description)
Secondary		Secondary	
	(Description)		(Description)

X. Other Environmental Permits (See Instructions)

A. Permit Type (Enter code)	B. Permit Number	C. Description
R	LAD981055791	Existing hazardous waste permit
N	WP4883	Stormwater Discharge Permit
P	1120-00010-00	State Air Permit

EPA I.D. Number (Enter from page 1)

L	A	D	9	8	1	0	5	5	7	9	1

Secondary ID Number (Enter from page 1)

XI. Nature of Business (Provide a brief description)

Thermal Treatment of Reactive Waste

XII. Process Codes and Design Capacities

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in Item XIII.

B. PROCESS DESIGN CAPACITY - For each code entered in column A, enter the capacity of the process.

1. AMOUNT - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action), enter the total amount of waste for that process.
2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

C. PROCESS TOTAL NUMBER OF UNITS - Enter the total number of units used with the corresponding process code.

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Disposal:	
D79	Underground Injection	Gallons; Liters; Gallons Per Day; or Liters Per Day
D80	Landfill	Acre-feet or Hectare-meter
D81	Land Treatment	Acres or Hectares
D82	Ocean Disposal	Gallons Per Day r Liters Per Day
D83	Surface Impoundment	Gallons or Liters
D99	Other Disposal	Any Unit of Measure Listed Below
	Storage:	
S01	Container (Barrel, Drum, Etc.)	Gallons or Liters
S02	Tank	Gallons or Liters
S03	Waste Pile	Cubic Yards or Cubic Meters
S04	Surface Impoundment	Gallons or Liters
S05	Drip Pad	Gallons or Liters
S06	Containment Building-Storage	Cubic Yards or Cubic Meters
S99	Other Storage	Any Unit of Measure Listed Below
	Treatment:	
T01	Tank	Gallons Per Day or Liters Per Day
T02	Surface Impoundment	Gallons Per Day or Liters Per Day
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; or Btu's Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
T80	Boiler	Gallons or Liters
T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
T82	Lime Kiln	
T83	Aggregate Kiln	
T84	Phosphate Kiln	
T85	Coke Oven	
T86	Blast Furnace	
T87	Smelting, Melting, Or Refining Furnace	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
T88	Titanium Dioxide Chloride Process Oxidation Reactor	
T89	Methane Reforming Furnace	
T90	Pulping Liquor Recovery Furnace	
T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
T92	Halogen Acid Furnaces	
T93	Other Industrial Furnaces Listed in 40 CFR §260.10	
T94	Containment Building-Treatment	Cubic Yards or Cubic Meters
	Miscellaneous (Subpart X):	
X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; or Kilograms Per Hour
X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
X04	Geologic Repository	Cubic Yards or Cubic Meters
X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V
Short Tons Per Hour	D
Metric Tons Per Hour	W
Short Tons Per Day	N
Metric Tons Per Day	S
Pounds Per Hour	J
Kilograms Per Hour	R
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	Q
Hectare-meter	F
Btu's Per Hour	I

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EPA I.D. Number (Enter from page 1): L A D 9 8 1 0 5 5 7 9 1

Secondary ID Number (Enter from page 1):

XII. Process Codes and Design Capabilities (Continued)

EXAMPLE FOR COMPLETING ITEM XII (Shown in line number X-1 below): A facility has a storage tank, which can hold 533,788 gallons.

Line Number	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	B. 2. Unit Of Measure (Enter code)	C. Process Total Number Of Units	For Official Use Only
X 1	S 0 2	5 3 3 7 8 8	G	0 0 1	
1	X 0 1	0 . 658	N	001	
2	S 0 1	592 593	Y	010	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					

NOTE: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in Item XIII.

XIII. Other Processes (Follow instructions from Item XII for D99, S99, T04 and X99 process codes)

Line Number (Enter #s in seq with XII)	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	B. 2. Unit Of Measure (Enter code)	C. Process Total Number Of Units	D. Description Of Process
X 1	T 0 4				In-situ Vitrification
T					
2					
3					
4					

EPA I.D. Number (Enter from page 1)												Secondary ID Number (Enter from page 1)											
L	A	D	9	8	1	0	5	5	7	9	1												

XIV. Description of Hazardous Wastes

A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. Enter the first two as described above.
2. Enter "000" in the extreme right box of Item XIV-D(1).
3. Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESS (1) PROCESS CODES (Enter code)									D. PROCESS (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
X 1	K 0 5 4	900	P	T	0	3	D	8	0				
X 2	D 0 0 2	400	P	T	0	3	D	8	0				
X 3	D 0 0 1	100	P	T	0	3	D	8	0				
X 4	D 0 0 2												Included With Above

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Secondary ID Number (Enter from page 1):

XIV. Description of Hazardous Wastes (Continued)

Line Number		A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)	D. PROCESSES (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
	1	D003	480,000	P	S01 X01	
	2	D001				Same as D(1) above
	3	D004				Same as D(1) above
	4	D005				Same as D(1) above
	5	D006				Same as D(1) above
	6	D007				Same as D(1) above
	7	D008				Same as D(1) above
	8	D010				Same as D(1) above
	9	D011				Same as D(1) above
1	0	K044				Same as D(1) above
1	1	K045				Same as D(1) above
1	2	K046				Same as D(1) above
1	3	P009				Same as D(1) above
1	4	P048				Same as D(1) above
1	5	P065				Same as D(1) above
1	6	P081				Same as D(1) above
1	7	P105				Same as D(1) above
1	8	P112				Same as D(1) above
1	9	U069				Same as D(1) above
2	0	U088				Same as D(1) above
2	1	U096				Same as D(1) above
2	2	U105				Same as D(1) above
2	3	U108				Same as D(1) above
2	4	U115				Same as D(1) above
2	5	U117				Same as D(1) above
2	6	U133				Same as D(1) above
2	7	U160				Same as D(1) above
2	8	U234				Same as D(1) above
2	9					
3	0					
3	1					
3	2					
3	3					

EPA I.D. Number (Enter from page 1)	Secondary ID Number (Enter from page 1)
L A D 9 8 1 0 5 5 7 9 1	

XV. Map

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

XVIII. Certification(s)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Signature	Date Signed 11/10/97
Name and Official Title (Type or print) James E. Gallion, Sr., Vice President	
Owner Signature	Date Signed
Name and Official Title (Type or print)	
Operator Signature	Date Signed
Name and Official Title (Type or print)	
Operator Signature	Date Signed
Name and Official Title (Type or print)	

XIX. Comments

XII line 1 - Yearly capacity is 480,000 pounds net explosive weight; this is equal to the 0.658 short tons/day value listed.

XII line 2 - While the volumetric capacity of each magazine is 59.3 cubic yards, each magazine can store no greater than 5,000 lbs. net explosive weight.

XIV.C. - Pounds Net Explosive Waste

Note: Mail completed form to the appropriate EPA Regional or State Office. (Refer to instructions for more information)

XV Map
The information required on this map is supplied on Figures 1 and 5 of the Part II application.

XVI Facility Drawing
The information required on this drawings is provided on Figures 1, 3, and 5 of the Part II application.

XVII Photographs
An aerial photograph is provided as Figure 2 of the Part II application.